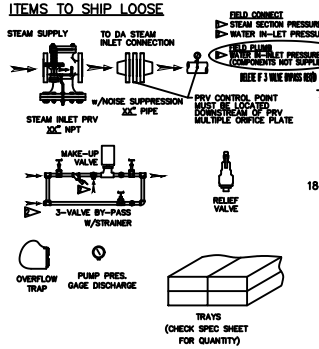
ITEMS TO SHIP LOOSE

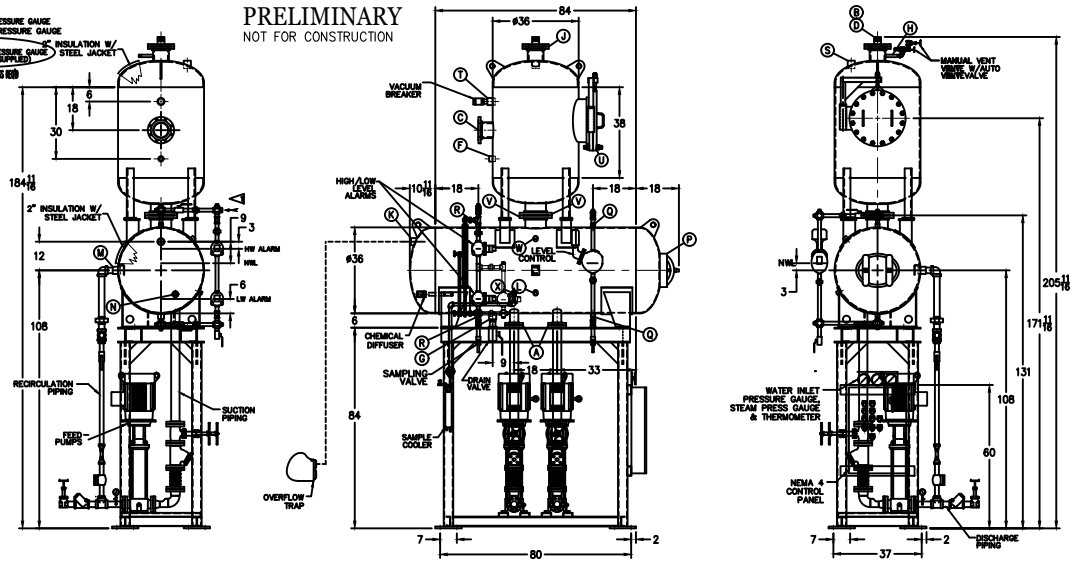


Ⓓ LOW TEMP. RETURN (<180 °F)

Ⓕ HIGH TEMP. RETURN (>180 °F)

* STAND HEIGHT SUBJECT TO PUMP NPSH REQUIREMENTS
ALL COMPONENTS CONTINGENT UPON FINAL ENGINEERING.
PANEL SIZE MAY VARY DEPENDING ON JOB REQUIREMENTS
TRAYS TO BE SHIPPED LOOSE AND INSTALLED IN THE FIELD.

PRELIMINARY
NOT FOR CONSTRUCTION



DEAERATOR TANK CONNECTIONS

A. (2) PUMP SUCTION	3 FLG IN.
B. (1) WATER INLET	2 1/2 IN.
C. (1) STEAM INLET	6 FLG IN.
D. (1) LOW TEMP. RETURN	2 1/2 IN.
E. ( ) MED TEMP RETURN	IN.
F. (1) HI TEMP RETURN	1 1/4 IN.
G. (1) DRAIN	2 IN.
H. (1) MANUAL VENT	3/4 IN.
J. (1) VENT CONDENSOR	6 FLG IN.
K. (1) OVERFLOW	2 IN.
L. (1) THERMOMETER	1 IN.
M. (1) RECIRCULATION	2 IN.
N. (1) CHEMICAL FEED	1 1/2 IN.
P. (1) MANWAY	12 X 16 IN.
Q. (2) LEVEL CONTROLS	1 IN.
R. (2) LEVEL ALARMS	1 IN.
S. (1) RELIEF VALVE	2 IN.
T. (1) VACUUM BREAKER	2 IN.
U. (1) TRAY BOX ACCESS	18 FLG IN.
V. (2) DOWNCOMER	8 FLG IN.
W. (1) AUXILIARY CONN.	8 FLG IN.
X. (1) SAMPLE COOLER	1 IN.

CONNECTIONS NPT UNLESS NOTED, FLANGES 150# UNLESS NOTED

RATING & CAPACITIES

DA TYPE	TRAY
CAPACITY	18,000 LBS/HR
DA SECTION CAPACITY	360 GALS.
DA STORAGE CAPACITY	10 MINUTES MIN.
DESIGN PRESSURE	50 PSIG STEAM
DESIGN TEMP.	400° F
DEAERATION	.005 CC/LITER
OPERATING PRESSURE	5 PSIG
DRY WEIGHT.	7,775 LBS
OPERATING WEIGHT.	16,700 LBS
FLOODED WEIGHT.	18,325 LBS

THE ABOVE WEIGHTS DO NOT INCLUDE PUMPS, TRIM OR CONTROL PANEL.

SHIPPING WEIGHT

TANK (EMPTY) HORIZ 3,613 /VERT. 2,631 LBS.
STAND/PUMPS 1,530 / LBS.

LTR.	DATE	REVISIONS	BY
A		DESCRIPTION	

NOTES

1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
2. SPECIFICATION SHEET TAKES PRIORITY OVER DRAWING.
3. ALL DIMENSIONS ARE ±1" UNLESS OTHERWISE NOTED.
4. DA TANK DESIGN CODE ASME SECTION VIII, DIV 1
5. DEAERATE ALL LOADS FROM 30TO 100% OF RATED OUTLET CAPACITY
6. ELIMINATE TITRATABLE FREE CARBON DIOXIDE TO 0.
7. CORROSION ALLOWANCE 1/16".
8. TANK SEPARATED FROM STAND FOR SHIPMENT.
9. SUPERIOR BOILER, INC. RESERVES THE RIGHT TO FURNISH TRIM SHOWN OR AN EQUAL SUBSTITUTE AS DETERMINED BY SB.

SOLD TO: SB

JOB: SB

DRAWN BY:	DATE	CHECKED BY:	DATE
XX			

DRAWING NAME
DEAERATOR, TRAY

MODEL NO: TC018D155-125

SIZE: 360 GALLONS

SUPERIOR BOILER

SCALE 1/36

DRAWING No X